1960-61 Sounds of Engineering Science WISN-MSOE Radio Series

Broadcast Time: Saturday, 12:25 and 8:30 p.m.
Sunday, 7:30 p.m.

PROGRAMS AIRED

1960

August	27-28	Introduction	Karl O. Werwath
September	3-4	Energy	Walter Dippold
	10-11	Solar Cells	Walter Dippold
	17-18	Metallurgy	Edwin Meier, Jr.
	24-25	Automatic Digital Computer	David Haertel
October	1-2	Inert Arc Welding	Edwin Meier, Jr.
	8-9	Introduction-MHD	Joseph Deverse
	15-16	Conclusion-MHD	Joseph Deverse
	22-23	Fuel Cells	Joseph Deverse

ELECTRONIC SERIES (COMMUNICATIONS)

	29-30	History of Radio	Herbert Werwath
November	5-6	Amateur Radio	Donald Stenz
	12-13	FM Radio	Norbert Veerkamp
	19-20	Radar Systems	Joseph Sitzwohl
	26-27	Navigation Equipment	Richard Ringle
December	3-4	Television	William C. Winn
	10-11	Transistors	John T. Snedeker, Jr.
	17-18	Inertial Guidance	Francis J. Lofy
	24-25	Instrumentation in Medicine ~~and Control~~	Dr. Robert L. Stubbings

1961

January	12/31-1/1	Analog Computers	David Haertel
	7-8	Future of Electronics	Norbert Veerkamp
	14-15	Intro. to Elec. Power Series	Dean Van Zeeland
	21-22	What is Electrical Power?	Andrew Itzov
	28-29	Generation, Transmission &Consumption	R. Neitzel
February	4-5	~~Power~~ Electricity in the Home	R. Ladner
	11-12	Electrical Power in Industry	Ralph Wey
	18-19	ENGINEERS' WEEK-The Technician on the Engineering Manpower Team	Richard Ungrodt

(19)	January	12/31-1/1	Analog Computers	David Haertel
(20)		7-8	Future of Electronics	Norbert Veerkamp
(21)		14-15	Introduction to Electrical Power Series	Dean Van Zeeland
(22)		21-22	What is Electrical Power?	Andrew Itzov
(23)		28-29	Generation, Transmission and Consumption	R. Neitzel
(24)	February	4-5	Electricity in the Home	R. Ladner
(25)		11-12	Electrical Power in Industry	Ralph Ney
(26)		18-19	Technician on the Engineering Manpower Team	Richard Ungrodt ENGINEERS' WEEK
(27)		25-26	The Two-and-Four-Cycle Engines	Keith Kummer
(28)	March	4-5	Diesel Engines	Harold Odegaard
(29)		11-12	Jet Propulsion	Ken Johnson
(30)		18-19	The Turbine	Ken Johnson
(31)		25-26	Stainless Steel	Edwin A. Meier, Jr.
(32)	April(Easter)	1-2	Anodized Aluminum	Edwin A. Meier, Jr. EASTER SUNDAY
(33)		8-9	The Earth Satellite	Ken Johnson
(34)		15-16	Satellites, Their Purpose	Ken Johnson
(35)		22-23	Communication & Scientific Progress	Emil Symonik
(36)		29-30	Plastics	Harry G. Sholes
(37)	May	6-7	Ceramics	Harry G. Sholes
(38)		13-14	The Story of Horsepower	Harry G. Sholes
(39)		20-21	The Pacemaker	Dr. Robert Stubbings
(40)		27-28	New Wonder Drugs	Dr. Robert Stubbings
(41)	June	3-4	Communism and Kruschev	Benjamin Cywinski
(42)		10-11	Aerodynamic Heating	Kenneth Johnson
(43)		17-18	The World We Live In	Kenneth Johnson
(44)		24-25	The Mystery of Gravity	Kenneth Johnson

[Note: The format of the scripts underwent a change after June 1961. The sequential numbering of the scripts appears to have started over several times, so the order of the episodes is correct, but the numbering system is questionably reliable. The episode information that we are missing goes from episode 45 to episode 64.

The computer-typed portions of the episode list have been constructed from the information found on the scripts we do have.]

Ep. #	Guest Host	Topic(s) Covered	Date (Aired or Taped)
?	Benjamin Cywinski	Communism and Khrushchev	September 16-17, 1961
6	William C. Winn	The Story Behind Color TV	October 28-29, 1961
7	William C. Winn	The Television Tape	November 4-5, 1961
8	William C. Winn	Transistor Television is Here	November 11-12, 1961
9	William C. Winn	Industrial Television	November 18-19, 1961
10	William C. Winn	TV From Outer Space	November 25-26, 1961
11	Kenneth Johnson	What's Out There?	December 2-3, 1961
12	Kenneth Johnson	Supersonic Flight	December 9-10, 1961
13	Kenneth Johnson	Rocket Engines	December 16-17, 1961
14	Kenneth Johnson	Physiological Effects of Space Travel	December 23-24, 1961
15	Kenneth Johnson	Why Space Travel?	December 30-31, 1961
16	Harry G. Sholes	The Development of Glass	January 6-7, 1962
17	Harry G. Sholes	A World of Glass	January 13-14, 1962
18	Harry Sholes	Our Shatter-Proof Missile Program	January 20-21, 1962
19	Harry Sholes	New High Refractory Glass	January 27-28, 1962
20	Harry Sholes	The Wonders of Water Glass	February 3-4, 1962
21	William Jelinske	National Electrical Week: The Need For Technicians	February 10-11, 1962
22	Fred J. Van Zeeland	The Need for Engineers	February 17-18, 1962
23	Michael McKay	What is Radiation?	February 24-25, 1962
24	Michael McKay	Sources of Radiation	March 3-4, 1962
25	Michael McKay	Uses of Radiation	March 10-11, 1962
26	Michael McKay	The Fallout Scare	March 17-18, 1962
27	Michael McKay	How Does Fallout Affect You?	March 24-25, 1962
28	Ned Seachman	Galileo and the Effects of Gravity	Mar 31-Apr 1, 1962
29	Ned Seachman	Newton's Law of Gravity	April 7-8, 1962
30	Ned Seachman	The Cause of Gravity	April 14-15, 1962
31	Ned Seachman	Gravity and the Curvature of Space	April 21-22, 1962
32	Ned Seachman	Anti-Gravity	April 28-29, 1962
36	Herbert Thompson	Cooling Device of the Future	May 26-27, 1962
37	Herbert Thompson	The World's Most Powerful Light Ray	June 2-3, 1962
3	Keith F. Kummer	Mechanical Engineering Applications of Science	October 13-14, 1962
?	Russ Henke	What is Fluid Power?	November 3-4, 1962
?	Russ Henke	Applications of Fluid Power	November 10-11, 1962
?	Russ Henke	Fluid Power's Contributions to Aircraft and Missile Fields	November 17-18, 1962

Ep. #	Guest Host	Topic(s) Covered	Date (Aired or Taped)
?	Russ Henke	Industrial and Manufacturing Applications of Fluid Power	November 24-25, 1962
?	Ken Johnson	Mariner II Space Probe	December 1-2, 1962
?	Ken Johnson	Mariner II Space Probe II	December 8-9, 1962
?	Ken Johnson	The Gemini Program	December 15-16, 1962
?	Ken Johnson	Project Mercury	December 22-23, 1962
?	Ken Johnson	Rocket Design	December 29-30, 1962
?	Ken Johnson	Rocket Fuels	January 5-6, 1963
?	Eugene Alm	Light Speed	January 19-20, 1963
?	Eugene Alm	Light	January 26-27, 1963
?	Eugene Alm	Light and Color	February 2-3, 1963
?	Eugene Alm	Causes and Sources of Light	February 9-10, 1963
?	Eugene Alm	The Laser – A New Type Light Source	February 16-17, 1963
?	Eugene Alm	TV on a Light Beam	February 23-24, 1963
?	Russ Henke	[Rerun] Fluid Power	March 2-3, 1963
?	Russ Henke	Fluid Power Institute	March 9-10, 1963
?	Michael McKay	Ion Propulsion	March 23-24, 1963
?	Lewis A. Riley	Astronomy – A Solar Eclipse	May 11-12, 1963
3	Karl O. Werwath	Engineering Technology and the Government	October 24-25, 1964
4	Karl O. Werwath	The National Need for Engineering Technicians	Oct 31-Nov 1, 1964
5	Karl O. Werwath	What Does the Engineering Technician Do?	November 7-8, 1964
6	Karl O. Werwath	How Much Does the Engineering Technician Earn?	November 14-15, 1964

SOUNDS OF SCIENCE PROGRAMS

WISN Radio and Milwaukee School of Engineering

Guest	Program Number	Topic	Air Date
Ralph L. Harper	65	Problems in Rural Electrication Distribution	Jan. 1-2 , 1966
Ralph L. Harper	66	Do You Have Lights?	Jan. 8-9 , 1966
Ralph L. Harper	67	Continuity of Electric Power Service	Jan. 15-16, 1966
Ralph L. Harper	68	Restoring Power	Jan. 22-23, 1966
Ralph L. Harper	69	Preventive Maintenance	Jan. 29-30, 1966
Kenneth L. Johnson	70	Gemini Six and Seven	Feb. 5-6 , 1966
Kenneth L. Johnson	71	The Missions of Project Gemini	Feb. 12-13, 1966
Kenneth L. Johnson	72	Re-entry from Outer Space	Feb. 19-20, 1966
Al fred J. Jacobs	73	Fluid Power	Feb. 26-27, 1966
Alfred J. Jacobs	74	Fluid Power at Work	Mar. 5-6 , 1966
Alfred J. Jacobs	75	Fluid Power in Aircraft	Mar. 12-13, 1966
Alfred J. Jacobs	76	Fluid Power In Industry	Mar. 19-20, 1966
William D. Jelinske	77	What It Takes To Be an Engineer I	Mar. 26-27, 1966
William D. Jelinske	78	What It Takes To Be an Engineer II	Apr. 2-3 , 1966
Ralph L. Harper	79, 80, 81, 82 and 83	Re-runs on Problems in Rural Electrication Distribution	April 9 thru May 8, 1966
Arthur W. McConnell	84	Industrial Applications of Electronics	May 15-16, 1966
Arthur W. McConnell	85	Control Devices for Welding	May 21-22, 1966
William D. Jelinske	86 and 87	Re-runs on What It Takes to be an Engineer	May 28 thru June 5, 1966
Alvin H. W. Graske	88	The Development of Glass	June 11-12, 1966
Alvin H. W. Graske	89	The World of Glass	June 18-19, 1966
Alvin H. W. Graske	90	Shatter-Proof Glass	June 25-26, 1966
Alvin H. W. Graske	91	High Refractory Glass	July 2-3 , 1966
Alvin H. W. Graske	92	The Wonders of Water Glass	July 9-10, 1966
Eugene J. Alm	93, 94, 95, 96, 97 and 98	- Energy	July 16 thru Aug. 21, 1966
Kenneth L. Johnson	99	The Wankel Engine	Aug. 27-28, 1966
Kenneth L. Johnson	100	Problems in the Wankel Engine	Sept. 3-4-, 1966
Kenneth L. Johnson	101	Advantages of the Wankel Engine	Sept. 10-11, 1966
Dr. Robert Stubbings	102	Microminiaturization I	Sept. 17-18, 1966
Dr. Robert Stubbings	103	Microminiaturization II	Sept. 24-25, 1966
Laird Beaver	104, 105 and 106	Computer Electronics	Oct. 1 thru 16, 1966
Ron Walling	107 and 198	Polymers	Oct, 22 thru 30, 1966
Ralph L. Harper	109 and 110		Nov. 5 thru 13, 1966
Frank Cannon	111	Control Engineering I	Nov. 19-20, 1966
Frank Cannon	112	Control Engineering II	Nov. 26-27, 1966
Ralph L. Harper	113 and 114	Noise and Engineering	Dec. 3 thru 11, 1966
James E. Mecca	115 and 116	Radiation	Dec. 17 thru 25, 1966

SOUNDS OF SCIENCE PROGRAMS

WISN and Milwaukee School of Engineering

Guest	Program Number	Topic	Air Date
Ralph L. Harper	117, 118 and 119	Numbering Systems; the New Math	Dec. 31, 1966 thru Jan. 15, 1967
James E. Mecca	120, 121, and 122	Isotopes; Hazards of Radiation	Jan. 28 thru Feb. 4, 1967
	123, 124, 125 and 126	Re-runs	Feb. 11, thru Mar. 4, 1967
Thomas A. Brewer	127	Wave Motion	Mar. 11-12, 1967
Keith F. Kummer	128 and 129	Aircraft Piloting	Mar. 19-26, 1967
	130, 131, 132, 133, 134, and 135	Re-runs	Apr. 1 thru May 7, 1967
Joseph A. Bachman	136, 137, 138	Power Tools Around the Home	May 13-28, 1967
	139, 140, 141	Re-runs	June 3-18, 1967
Dr. Charles J. Wunder	142, 143, 144, 145	X-rays; the Betatron	June 24 - July 16, 1967
	146, 147, 148	Re-runs	July 22 - August 6, 1967
Dr. Norbert Veerkamp	149, 150, 151	Advances in Technology	Aug. 12-27, 1967
Ralph L. Harper	152, 153, 154	Functions of Engineering	Sept. 2-17, 1967
Gerald C. Piette	155, 156	Air Conditioning	Sept. 23 Oct. 1, 1967
	157, 158, 159, 160	Re-runs	Oct. 7-29, 1967
William H. Petsch	161, 162, 163	Arhitectural Engineering Education	Nov. 4-19, 1967
	164, 165	Re-runs	Nov. 19 Dec. 10, 1967
Edwin A. Meier	167, 168, 169	Human Factors Engineering	Dec. 16-31, 1967

SOUNDS OF SCIENCE PROGRAMS

WISN Radio and Milwaukee School of Engineering

Guest	Program Number	Topic	Air Date
Dr. Robert Stubbings	170	New Laboratory - Analysis of	Jan. 6-7 , 1968
	171	Industrial Waates	Jan. 13-14, 1968
Gerald J. Matzelle	172	Autio-Visual Activities	Jan. 20-21, 1968
	173	Use of Autio-Visual Aids	Jan. 27-28, 1968
	174	New Techniques	Feb. 3-4 , 1968
Raymond P. Martin	175	Fluid Power	Feb. 10-11, 1968
	176	Fluidics	Feb. 17-18, 1968
	177		Feb. 24-25, 1968
Edwin Meier (re-run)	178	Human Factors Engineering	Mar. 3-4 , 1968
	179		Mar. 10-11, 1968
	180		Mar. 17-18 ,1968
Ralph L. Harper	181	Electric Power Generation	Mar. 24-25, 1968
	182	Electric Power Pooling	Mar. 30-31, 1968
Re-runs	183		Apr. 6-7, 1968
	184		Apr. 13-14, 1968
	185		Apr. 20-21, 1968
Carl Edmund	186	Cosmic Radiation	Apr. 27-28, 1968
	187	Radiation Detection	May 4-5 , 1968
Joe Bachman	188	Accidents Around the Home	May 11 -12, 1968
	189	Safety in the Home	May 18-19, 1968
	190	Do's and Don'ts	May 25-26, 1968
	191	Wind-Up Program	June 1-2 , 1968
Frank Cannon	192	Exploration of Earth Resources	June 8-9 , 1968
	193	by Airborne Detectors	June 15,16, 1968
Ralph L. Harper	194	Cryogenics	June 22-23, 1968
	195	Lasers	June 29-30, 1968
	196	Radar	July 6-7 , 1968
	197	Radar Uses	July 13-14, 1968
Paul Lindwuist	198	Welding and Welding Techniques	July 20-21, 1968
	199		July 27-28, 1968
	200		Aug. 3-4 , 1968
Ralph L. Harper	201	Transistors	Aug. 10-11, 1968
	202	Industrial Applications of Electronics	Augt.17-18, 1968
	203		Aug. 24-25, 1968
	204		Aug. 31-S1, 1968
Worthington Programs	205, 206, 207 ~~and 208~~		Sept. 7-22, 1968
Dr. Robert Stubbings	208	New Shoe-Making Process	Sept.28-29, 1968
Ralph L. Harper	209	Vascar	Oct. 5-6, 1968
	210	Lactoducts	Oct. 12-13, 1968
Dr. Charles J. Wunder	211, 212, 213, and 214		Oct. 20-N10, 1968
Ralph L. Harper	215, 216, 217, 218 and 219		Nov. 17-D15, 1968
Frank Cannon	220, 221, and 222	Electronic Music	Dec. 21-J 5, '68-'69

SOUNDS OF S CIENCE RADIO PROGRAMS
1968-69

Guest	Program Number	Topic	Air Date
Frank Cannon	220	Electronic Musical Instruments	Dec. 21-22, '68
	221	Electronic Speaker Systems	Dec. 28-29, '68
	222	Electronic Musical Effects	Jan. 4-5, '69
Ken Johnson	223	Mechanical Engineering in Medicine	Jan. 11-12, '69
Vincent Canino	224	Electro-Mechanical Devices that Perform Physiological Functions	Jan. 18-19, '69
	225	Electronic Transducers for Measuring Physiological Functions	Jan. 25-26, '69
	226	Computer Applications in Bio-Medical Engineering	Feb. 1-2, '69
Douglass Chew	227	Human Engineering	Feb. 8-9, '69
Tim Clements	228	Social Impact of Engineering	Feb. 15-16, '69
Ed Meier	229	Systems Engineering	Feb. 22-23, '69
	230	Human Factors Engineering	Mar. 1-2, '69
Keith Kummer	231	Work Standards in Industry	Mar. 8-9, '69
	232	Planned Obsolescence	Mar. 15-16, '69
Carl Bauman	233	Computers - Fundamental Concepts	Mar. 22-23, '69
	234	Computer Applications	Mar. 29-30, '69
	235	Computer Future	Apr. 5-6, '69
Tom Davis	236	Computer-Aided Design	Apr. 12-13, '69
	237	" " "	Apr. 19-20, '69
	238	" " "	Apr. 26-27, '69
Ed Pateneaude	239	Summation on Computers	May 3-4, '69
Joe Deverse	240	Dwindling Fuel Reserves	May 10-11, '69
	241	Energy Conversion	May 17-18, '69
	242	Direct Conversion	May 24-25, '69
	243	Tapping the Atom	May 31-Jul '69
John Snedeker	244	Electric Energy Processes	June 7-8, '69
	245	Electric Generating Plants	June 14-15, '69
	246	Computer Control in the Power Industry	June 21-22, '69
Ralph Harper	247	Summation on Power Industry	June 28-29, '69
	248	The Future in Power Distribution	July 5-6, '69
Re-Run	(249)	Bauman Series on Computers	July 12-13, '69
	(250)	" " "	July 19-20, '69
	(251)	" " "	July 26-27, '69
Frank Cannon	252	Transportation	Aug. 2-3, '69
	253	" "	Aug. 9-10, '69
Ralph Harper Re-Runs	(254)	Cryogenics	Aug. 16-17, '69
	(255)	Radar	Aug. 23-24, '69
	(256)	Laser Beamed Television	Aug. 30-31, '69
	(257)	Electronic Phenomenon from Outer Space	Sep. 6-7, '69

SOUNDS OF SCIENCE RADIO PROGRAMS
1969

Ralph Harper	#259	Short Walk Airport	Sept. 20-21, 1969
Dr. Arthur Michael	#260	Fine Particle Technology	Sept. 27-28, 1969
	#261	Fine Particle Technology	Oct. 4-5, 1969
Tom Johnson	#262	Automotive Exhaust Abatement	Oct. 11-12, 1969
	#263	Automotive Exhaust Abatement	Oct. 18-19, 1969
Ken Johnson	#264	Automotive Fuels	Oct. 25-26, 1969
	#265	Automotive Fuels	Nov. 1-2, 1969
Jerry Piette	#266	Environmental Control	Nov. 8-9, 1969
	#267	Air Conditioning	Nov. 15-16, 1969
Paul Gutting	#268	Water Pumping Systems	Nov. 22-23, 1969
	#269	Water Pumping Systems	Nov. 29-30, 1969
Harper (re-run)	#270	Power Generation	Dec. 6-7, 1969
	#271	Future in Power Generation	Dec. 13-14, 1969
Harper	#272	Cooking by Radar	Dec. 20-21, 1969
	#273	Cooking by Radar	Dec. 27-28, 1969
Kutemperoor	#274	Science in India	Jan. 3-4, 1970
Harper	#275	Technicians, Scientists	Jan. 10-11, 1970
Harper	#276	and Engineers	Jan. 17-18, 1970
Harper	#277	Computers and	Jan. 24-25, 1970
Harper	#278	Management	Jan. 31 Feb. 1, 1970
Bushner	#279	The Apollo Missile	Feb. 7-8, 1970
Bushner	#280	The Apollo Flight	Feb. 14, 15, 1970
Edmund	#281	Inertial Guidance	Feb. 21-22, 1970
Edmund	#282	Inertial Guidance	Feb. 28 - Mar. 1, 1970
Garnier	#283	Microwaves	Mar. 7-8, 1970
Garnier	#284	In Home and Industry	Mar. 14-15, 1970
Garnier	#285	Microwaves - the Future	Mar. 21-22, 1970
~~Palmer~~	~~#286~~	~~Radio Communication~~	~~Mar. 28-29, 1970~~
~~Palmer~~	~~#287~~	~~"~~	~~April 4-5, 1970~~
~~Palmer~~	~~#288~~	~~"~~	~~April 11-12, 1970~~
NASA	#286	Apollo 13	Mar. 28-29, 1970
NASA	#287	Apollo 13	Apr. 4-5, 197 0
Dr. Jaggard	#288	Social Impact of Technology	Apr. 11,12, 1970
Dr. Jaggard	#289	The Social Engineer	Apr. 18-19, 1970
Dr. Jaggard	#290	Social Problems Today	Apr. 25-26, 1970
Dr. Jaggard	#291	New Trends	May 2-3, 1970
Ray Palmer	#292	Radio	May 9-10, 1970
Ray Palmer	#293	Techniques	May 16-17, 1970
Ray Palmer	#294	Planetary Communication	May 23-24, 1970
Neil Matthes	#295	Electric Motors	May 30-31, 1970
Neil Matthes	#296	In Home and Industry	June 6-7, 1970
Neil Matthes	#297	Future Applications	June 13-14, 1970

Ep. #	Guest Host	Topic(s) Covered	Date (Aired or Taped)
298	James E. Pollock	Health Physics	June 20, 1970
299	James E. Pollock	Radiation Exposure	June 27, 1970
300	James E. Pollock	Exposure and Control	July 4, 1970
301	Patricia Wesley	Enzyme Detergents as Pollutants	July 11, 1970
302	Dr. Robert Stubbings	Industrial Pollution	July 18, 1970
303	Dr. Robert Stubbings	Pollution Control	July 25, 1970

Sounds of Science

Kenneth L. Johnson	304	August 1-2, 1970	Air Thermal Pollution
	305	August 8-9, 1970	Water Thermal Pollution
	306	August 15-16, 1970	Water Thermal Pollution
	307	August 22-23, 1970	Air Pollution II
	308	August 29-30, 1970	Air Pollution LLL
	309	September 5-6, 1970	Air Pollution IV
	310	September 12-13, 1970	Summary
Vincent Kutemperoor	311	September 19-20, 1970	Neutron Activation
Peter Sorenson	312	September 26-27, 1970	Lasers
Ralph L. Harper	313	October 3-4, 1970	Cooperative Program of Education
	314	October 10-11, 1970	Benefits of the Coop Program
	315	October 17-18, 1970	Tire Traction
	316	October 24-25, 1970	Communication Techniques
	317	Oct. 31 - Nov. 1, 1970	Automatic Meter Reading
	318	November 8-9, 1970	Automatic Meter Reading
Repeats - Ken Johnson five programs on pollution	319 thru 323	November 14 thru " " December 13, 1970	Thermal Air and Water Pollution
Ralph L. Harper	324	December 19,20, 1970	Water Resources in Wisconsin
	325	December 26-27, 1970	Water Resources in Wisconsin
	326	January 2-3, 1971	Telephones for the Handicapped
Kenneth L. Johnson	327 thru 331	January 9-10, 1971 thru February 6-7, 1971	Mass Transportation I thru Mass Transportation V
Frank Dummann	334 thru 337	February 27-28, 1971 thru March 20-21, 1971	Paper I thru Paper IV
Ralph L. Harper	338 thru 340	March 27-28, 1971 thru April 10-11, 1971	Controversy in Power I thru Controversy in Power III
Repeats	341 thru 343	April 17 thru May 3, 1971	
Andrew Schmirler	344 345	May 8 thru May 16, 1971	Complex Numbers
Ralph L. Harper	346	May 22-23, 1971	Remote Sensing Devices
	347	May 30-31, 1971	Remote Sensing Devices
Joseph Sitzwohl	348	June 5-6, 1971	Careers in Engineering
Ralph L. Harper	349	June 12-13, 1971	Forst Fire Detection
	350 thru 352	June 19 thru July 4, 1971	The Metric System I thru The Metric System III
Bernard Budny	353	July 10-11, 1971	Analog Computers in Engineering
	354	July 17-18, 1971	Noise Pollution
Repeats	355 thru 359	July 25, 1971 thru August 22, 1971	

SOUNDS OF SCIENCE
1971-1972

Francis V. Cannon Jr.	360	Mini-Computers	August 28-29, 1971
	361		September 4-5, 1971
	362	Re-runs	September 11-12, 1971
	363		September 18-19, 1971
Ralph L. Harper (final program)	364	Rough Pavements	September 25-26, 1971
	365	Re-run	October 2-3, 1971
Eugene J. Alm	366	Scale Models	October 9-10, 1971
	367	and	October 16-17, 1971
	368	Mathematical Models	October 23-24, 1971
Kenneth L. Johnson	369	Space Program Future	October 30-31, 1971
	370	Space Laboratory	November 6-7, 1971
	371	Space Shuttle & Tug	November 13-14, 1971
	372	Aircraft Developments	November 20-21, 1971
Owen S. Durigan	373	Engineering - Profession	November 27-28, 1971
	374	Career	December 4-5, 1971
	375	Background	December 11-12, 1971
Barbara Klaeser	376	Teaching Machines	December 18-19, 1971
	377	Types	December 25-26, 1971
	378	Specialized	January 1-2, 1972
Card Edmund	379	Desalting Sea Water	January 8-9, 1972
	380	Using Nuclear Energy	January 15-16, 1972
Carl Baumann	381	Social	January 22-23, 1972
	382	Impact of	January 29-30, 1972
	383	Computers	February 5-6, 1972
Arlen Parker	384	Computers	February 12-13, 1972
	385	and the	February 19-20, 1972
	386	Stock Market	February 26-27, 1972
Peter Kuhfittig	387	Non-Euclidean	March 4-5, 1972
	388	Geometry	March 11-12, 1972
Carol Schueller	389	Science Fiction	March 18-19, 1972
	390		March 25-26, 1972
	391		April 1-2, 1972
Thomas Brewer	392		April 8-9, 1972
	393		April 15-16, 1972
Richard Higgins	394	Nuclear and Conven-	April 22-23, 1972
	395	tional Power Plants	April 29-30, 1972
Andy Schmirler	396	Applications - Geo-	May 6-7, 1972
	397	metry - Trigonometry	May 13-14, 1972
Gerald C. Piette	398	The Wankel Engine	May 20-21, 1972
	399		May 27-28, 1972

SOUNDS OF SCIENCE
1972-1973

Robert J. Rudolph	400	June 3-4, 1972	Industrial Engineering
	401	june 10-11, 1972	And Technology
Matt G. Bushner	402	June 17-18, 1972	The Meter
	403	June 24-25, 1972	The Atomic Clock
Dr. Eugene Magnuson	404	July 1-2, 1972	How to Take a Sample
and William Koepsel	405	July 8-9, 1972	of River Water and
	406	July 15-16, 1972	Analyze It for Pollution
President Karl O.	407	July 22-23, 1972	The Development of Radio at MSOE
Werwath	408	July 29-30, 1972	Engineering - Yesterday and Today
	409	August 5-6, 1972	Engineerin g - Tomorrow
Re-runs	410	August 12-13, 1972	
	411	August 19-20, 1972	
	412	August 26-27, 1972	
	413	September 2-3, 1972	
	414	September 9-10, 1972	
	415	September 16-17, 1972	
Douglass Chew	416	September 23-24, 1972	Psychology - The Science
	417	September 30, 0- 1972	of Human Behavior
	418	October 7-8, 1972	
	419	October 14-15, 1972	
Dr. Peter Kuhfittig	420	October 21-22, 1972	The Problem of Mathematical Truth
	421	October 28-29, 1972	Mathematical Truth and Acceptability
Vincent Kutemperoor	422	November 4-5, 1972	Nuclear Medicine
	423	November 11-12, 1972	
	424	November 18-19, 1972	
James Nusslock	425	November 25-26, 1972	Adult Education
	426	December 2-3, 1972	
	427	December 9-10, 1972	
Herbert D. Werwath	428	December 16-17, 1972	Adequate Home Wiring
	429	December 23-24, 1972	Ground Fault Circuit Interruption
Barbara M. Klaeser	430	December 30-31, 1972	Moon Rocks
	431	January 6-7, 1973	Moon Rocks II
Ralph H. Wey	432	January 13-14, 1972	Lighting in the Home
Edwin T. Sherwood	433	January 20-21, 1973	Value Engineering
	434	January 27-28, 1973	
	435	February 3-4, 1973	
George Edenharder	436	February 17-18, 1973	The Metric System
	437	February 24-25, 1973	
	438	March 3-4, 1973	
James Burkhart	439	March 10-11, 1973	Radiography
	440	March 17-18, 1973	
Ronald Walling	441	March 24-25, 1973	Plastics
	442	March 31 April 1, 1973	Epoxies

SOUNDS OF SCIENCE
1972

Alden Q. Beaty	443	April 7-8, 1973	Fatigue in Metals
	444	April 14-15, 1973	"
	445	April 21-22, 1973	"
	446	April 28-29, 1973	"
	447	May 5-6, 1973	"
Thomas R. Gaulke	448	May 12-13, 1973	Powder Metallurgy
	449	May 19-20, 1973	"
	450	May 26-27, 1973	"
Dorothy J. Johnson	451	June 2-3, 1973	Facts and Fallacies About the Study of Mathematics
Ed Johnston	452	June 9-10, 1973	Facts and Fallacies About Engineering
	453	June16-17, 1973	"
	454	June 23-24, 1973	
Perry O'Brien	455	June 30 July 1, 1973	Air Conditoning
	456	July 8-9, 1973	" "
William L. Olson	457	July 14-15, 1973	Cholesteric Liquid Crystals
	458	July 21-22, 1973	Nematic Liquid Crystals
	459	July 28-29, 1973	Light Emitting Diodes
Ed Johnston	460	August 4-5, 1973	Methods Engineering
	461	August 11-12, 1973	
	462	August 18-19, 1973	
Donald W. Petzold	463	August 25-26, 1973	Transmission of Energy
	464	Septe,ber 1-2, 1973	
		September 8-9, 1973	Re-run
Duane Decker	465	September 15-16, 1973	Medical Electronics
	466	September 22-23, 1973	
	467	September 29-30, 1973	Bio-Medical Electronics
Eugene J. Alm	468	October 6-7, 1973	The ?Energy Crisis
	469	October 13-14, 1973	
	470	October 20, 21, 1973	
	471	October 27-28, 1973	
	472	November 3-4, 1973	
Carl Edmund	473	November 10-11, 1973	The Comet Kohoutek
	474	November 17-18, 1973	
	475	November 24-25, 1973	
Ed Johnston	476	Decmeber 1-2, 1973	Automotive Radar
	477	December 8-9, 1973	
Peter Kuhfittig	478	December 15-16, 1973	Can Machines Think?
	479	December 22-23, 1973	
Dorothy Johnson	480	December 29-30, 1973	No. $451 re-run
	481	January 5-6, 1974	Facts and Fallacies About the Teaching of Mathematics
Tom Gaulke	482	January 12-13, 1974	
	483	January 19-20, 1974	Powder Metallurgy
(re-runs)	484	January 26-27, 1974	re-runs

Ep. #	Guest Host	Topic(s) Covered	Date (Aired or Taped)
485	Nancy Sobzcak	Bio-Medical Engineering	February 2, 1974
486	Nancy Sobzcak	Bio-Medical Engineering	February 9, 1974
487	Nancy Sobzcak	Bio-Medical Engineering	February 16, 1974
488	Dean Frank Cannon	National Engineers' Week	February 23, 1974
489	Dean Frank Cannon	National Engineers' Week	March 2, 1974
490	Lloyd Vlies	Heat Transfer	March 23, 1974
491	Lloyd Vlies	Heat Transfer	March 30, 1974
492	Lloyd Vlies	Heat Transfer	April 6, 1974
493	Ralph Stajdohar	Ultra High Pressure Engineering	April 13, 1974
494	Tom Davis	Hand Calculators	April 20, 1974
495	Tom Davis	Hand Calculators	April 27, 1974
496	Jim Moorman	Transistors	May 4, 1974
497	Jim Moorman	Transistors	May 11, 1974
498	Jim Moorman	Transistors	May 18, 1974
499	Marvin Dollman	Engineering Graphics	May 26, 1974
500	Marvin Dollman	Engineering Graphics	June 1, 1974
501	Marvin Dollman	Engineering Graphics	June 8, 1974

Carl Baumann	No. 504	The Fibinacchi Series	June 15-16, 1974
	505	The Grand Equation	June 22-23, 1974
	506		June 29-30, 1974
	507		July 6-7, 1974
Ed Johnston	508	A Project To Overcome	July 13-14, 1974
	509	Sudden Infant Death	July 20-21, 1974
Ken Johnson	510		July 27-28, 1974
	511	Fluid Power	August 3-4, 1974
	512		August 10-11, 1974
Nancy Sobczak	513	Bio-Medical Engineering	August 17-18, 1974
	514		August 24-25, 1974
	515		August 31 - Sept, 1
Larry Fennigkoh	517	Sumplified Feedback	Sept. 14-15, 1974
	518	in the Treatment of	Sept. 21-22, 1974
	519	Eye Disorders	Sept. 28-29, 1974
	520		October 5-6, 1974
Owen Durigan	521	The Employment Market for	October 12-13, 1974
	522	Engineers & Technicians	October 19-20, 1974
Ralph Wey	523	Illumination Vs. Ebergy Crisis	October 26-27, 1974
Re-runs	524		
	525		November 2-3, 1974
			November 9-10,1974
Ed Johnston	526	Safety in Nuclear Power	November 16-17, 1974
	527	Plants; Holography	November 23-24, 1974
	528		Nov. 30 - Dec. 1, 1974
John Wagner	529	Magnetohydrodynamics	December 7-8, 1974
Peter Smith	530	Integrated Optical Circuits	Decembe r 14-15, 1974
Daniel Zahnow	531	Automobile Air Pollution	December 21-22, 1974
Steven Otto	532	The Catalytic Converter	December 28-29, 1974
Mark Barian	533	Total Communicatiom: A	January 4-5, 1975
	534	System for the Future	January 11-12, 1975
Dr. Ralph Stajdohar	535	Project Independence	January 18-19, 1975
	536		January 25-26, 1975
	537	Breeder Reactors	February 1-2, 1975
	538	Fusion Techniques	February 7-8, 1975
Owen Durigan	539	Present Economic Sitatuion	February 14-15, 1975
	540	Economy	February 21-22, 1975
	541	The Economy	Feb. 28- Mar. 1, 1975
	542	The Economy	March 8-9, 1975
Vincent Kuttemperorr	543	Nuclear Energy-Reactors	March 15-16, 1975
	544		March 22-23, 1975
	545	Deuterium Fuel	March 29-30, 1975

Ep. #	Guest Host	Topic(s) Covered	Date (Aired or Taped)
546	Dr. Peter Kuhfittig	The New Mathematics- Is it Really Better?	April 5, 1975
547	Dr. Peter Kuhfittig	The New Mathematics- Is it Really Better?	April 12, 1975
548	Dr. Peter Kuhfittig	The New Mathematics- Is it Really Better?	April 18, 1975
549	Dr. John O. Slater	Fluid Power – Energy	April 26, 1975
550	Dr. John O. Slater	Fluid Power – Energy	May 3, 1975
551	Dr. John O. Slater	Fluid Power – Energy	May 10, 1975

SOUNDS OF SCIENCE

Perry O'Brien	#552	Observatories	May 17-18, 1975
	#553	The Aricebo Telescope	May 24-25, 1975
John Mitchell	#554	Automatic Controls	May 31 - June 1, 1975
	#555	" "	June 8-9, 1975
	#556	" "	June 15-16, 1975
Perry O'Brien	#557	Science	June 22-23, 1975
	#558	The Inception of Sigma XI	June 28-29, 1975
	#559	" " " "	July 5-6, 1975
	#560	The Family Tree of Science	July 12-13, 1975
Ed Johnston	#561	The Apolle-Soyus Space Mission	July 19-20, 1975
Harvey Lindeman	#562	Astronomy	July 26-27, 1975
	#563	"	August 2-3, 1975
Dwight Harris	#564	Photo-electric Photometer	August 9-10, 1975
	#565	Comets	August 16-17, 1975
James D. Hamilton	#566	Fluid Power In England	August 23-24, 1975
H. Y. 'Skip' Smith	#567	Hydraulic Equipment	August 30-31, 1975
Re-run	#568		September 6-7, 1975
Perry O'Brien	#569	Computerized Pricing	September 13-14, 1975
	#570	" "	September 20-21, 1975
	#571	Technical Translation	September 27-28, 1975
Ed Johnston	#572	Kirlian Photography	October 4-5, 1975
	#573	" "	October 11-12, 1975
Hans Schroeder	#574	Some Aspects of Metrication	October 18-19, 1975
	#575	" " " "	October 25-26, 1975
Richard J. Ungrodt	#576	The Engineering Technologist -	November 1-2, 1975
	#577	Coming, Ready or Not	November 8-9, 1975
	#578	" " " " "	November 15-16, 1975
	#579	" " " " "	November 22-23, 1975
	#580	" " " " "	November 29-30, 1975
Dennis P. Tronca	#581	Plastics In Our Lives	December 6-7, 1975
	#582	" " "	December 13-14, 1975
Ed Johnston	#583	Dr. George Washington Carver	December 20-21, 1975
	#584	" " " "	December 27-28, 1975
	#585	" " " "	January 3-4, 1976
	#586	" " " "	January 10-11, 1976
	#587	" " " "	January 17-18, 1976
Robert Schultz	#588	Technology 200 Years Ago	January 24-25, 1976
	#589	" " " "	January 31 - February 1 ,1976
	#590	" " " "	February 7-8, 1976
Dr. Ralph Stajdohar	#591	Will Our Future Energy Options	February 14-15, 1976
	#592	Be Limited by Material Shortages?	Feburary 21-22, 1976
	#593		Feburary 28-29, 1976
Ed Johnstom	#594	Sailing the Seven Seas Again	March 6-7, 1976
	#595		March 13-14, 1976
	#596	" " " "	March 20-21, 1976

Robert Schultz	#597	The Art of Getting There - At Sea	March 27-28, 1976
Paul R. Knauer Jr.	#598	The Shrinking World of Electronics	April 3-4, 1976
	#599	Have We Lost our Imaginations?	April 10-11, 1976
Robert Schultz	#600	Ingeious Practitioners	April 17-18, 1976
	#601	" "	April 24-25, 1976
	#602	" "	May 1-2, 1976
Robert Schultz	#603	Noise	May 8-9, 1976
	#604	"	May 15-16, 1976
Craig Tobin Thomas Jacobi	$605	Historic Architecture	May 22-23, 1976
	#606	" " "	May 29-30, 1976
	#607	" " "	June 5-6, 1976
Richard J. Ungrodt	#608	Our Expanding Technology	June 12-13, 1976
	#609	" " "	June 19-20, 1976
	#610	" " "	June 26827, 1976
	#611	" " "	July 3-4, 1976
Robert Schultz	#612	Bio-Conversion	July 10-11, 1976
	#613	" "	July 17-18, 1976
Andy Schmirder	#614	The Dollar	July 24-25, 1976
	#615	"	July 31-August 1, 1976
	#616	"	August 7-8, 1976
Robert Schultz	#617	The Ingenious Practitioners	August 14-15, 1976
	#618	" "	August 21-22, 1976
	#619	" "	August 28029, 1976
	#620	Re-runs	September 4-5, 1976
	#621		September 11-12, 1976
Dorothy Johnson	#622	Thd Fibanacci Numbers in Nature	September 18-19, 1976
	#623	The Mathematics of Probability	September 25-26, 1976
	#624	" " " "	October 2-3, 1976
	#625	" " " "	October 9-10, 1976
Michael Gaudy	#626	Solar Energy Conversion	October 16-17, 1976
	#627	" " "	October 23-24, 1976
	#628	" " "	October 30-31, 1976
Robert Schultz	#629	Biological Rhythyms	November 7, 1976
	#630	" " "	November 14, 1976
Richard J. Ungrodt	#631		November 21, 1976
	#632	The Dichotomy in Engineering	November 28, 1976
	#633	Education; Scientific Instru-	December 5, 1976
	#634	tion in Early America; The Start	December 12, 1976
	#635	of Engineering Education in the	December 19, 1976
	#636	U. S.;	December 26, 1976

Ep. #	Guest Host	Topic(s) Covered	Date (Aired or Taped)
647	Perry O'Brien	Windmills	April 3, 1977
648	Perry O'Brien	Windmills	April 10, 1977
649	Perry O'Brien	Windmills	April 17, 1977
650	Perry O'Brien	Windmills	April 24, 1977
651	Barbara J. Jones	Hot Air Balloons	May 1, 1977
652	Barbara J. Jones	Dirigibles	May 8, 1977
653	Barbara J. Jones	The Litstar	May 15, 1977